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Uninterruptible Power Supply

To provide good quality product and best service to the customer with strong commitment to the social and environmental responsibility

True on-line (double conversion)

MEMOPOWER (1~3kVA)

Operating 2 Functions True On-line UPS & Line Interactive UPS

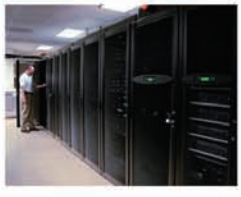
Single phase input : Single phase output

APPLICATIONS

Computer center, network center, communication system, automation control system or other critical systems

FEATURES

- Online-Double conversion (PFC)
- Fully digital control (DSP)
- Economic Operation mode (ECO)
- Wide input-voltage range
- Self-testing when UPS startup
- Cold Start (DC)
- Multifunctional protection
- Output bypass settable
- Input neutral and live wires reverse detection
- Charger extendible
- Operating 2 Functions (Mode True On-line UPS, Mode Line Interactive Ups Or ECO)
- USB & RS232 Port ,USB is of automatic priority when USB & RS232 work together
- SNMP Card Internal Optional (USB card, SNMP card, Dry contact card)
- Green Energy Technology



True on-line (double conversion)
MEMO Power (1~3kVA)
Single phase input : Single phase output

Panel display

The operation is simple, operators only need to read the manual and follow the operation instructions listed in this manual without any special training.

Keys function

ON key +

Press and hold this key for more than half a second to turn on the UPS.

OFF key +

Press and hold this key for more than half a second to turn off the UPS.

TEST/MUTE key +

Press and hold the key for more than 1 second in mains mode or economical mode: UPS runs the self-test function.

Press and hold the key for more than 1 second in battery mode: UPS runs the mute function.

INQUIRING key or

Non-function setting mode:
Press and hold the key for more than half a second (less than 2 seconds): Indicate the items of the LCD item section orderly.

Press and hold this key for more than 2 seconds: Circularly and orderly display the items every 2 seconds, when press and hold the key for some time again, it will turn to output status.

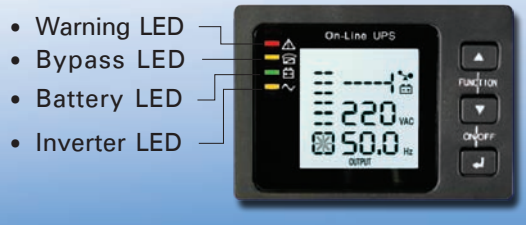
Function setting mode:
Press and hold the key for more than half a second (less than 2 seconds): Select the set option.

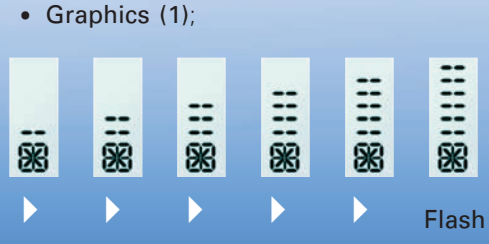
Function setting key

Non-function setting mode:
Press and hold the key for more than 2 seconds: Function setting interface.

Function setting mode:
Press and hold the key for more than half a second (less than 2 seconds): Affirm the set option.

Press and hold the key for more than 2 seconds, exit from this function setting interface.





Function of LED indicators

Warning red LED is on: UPS is fault. For example: Overload beyond the allowed time, inverter fault, BUS fault, over temperature fault etc.

Bypass yellow LED is on: UPS is alarming. For example: Bypass mode supply power and etc.

Battery yellow LED is on: UPS is alarming. For example: Battery mode supply power and etc.

Inverter green LED is on: UPS is normally powered by mains or ECO mode or battery mode.

After starting the UPS, the four LEDs will light and go out one-by-one. It circulates several times until starting the UPS successful.

LCD display functions

LCD display comprises numerical value section, capacity graphics section, fan-status graphics section and charger-status graphics section.

Numerical value section–display the corresponding numerical value of inquiring items (output, load, temperature, input, battery), for example, as the graphics shows above, the output voltage is 220v, the output frequency is 50Hz.

Capacity graphics section–display the capacity of the battery and load. Every pane represents 20%capacity. As graphics showed above, the capacity of the battery is 80%-100%(5 panes), the load reaches 40%- 60%(3 panes). When UPS is overload, the icon will flash, when capacity of battery is too low or disconnected, the icon will also flash.

Fan-status graphics section–display if the fan works normally. When the fan works normally, it will show the dynamic fan blades rotating; when the fan works abnormally, the icon ✳ will keep on flashing with the warning .

Charger-status graphics section–display the status of the charger. When charger works normally, the corresponding icon will vary dynamically and orderly, just as Graphics (1);

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Display Parameter

UPS has setting function. It can run the setting on any mode. After setting, it will become effective at once when meets some standards. The set information can be saved only when the battery connected and normally turning off the UPS.

1 Line Interactive UPS (ECO mode)

2 Bypass mode

3 Output voltage

4 **Output:** Display the output voltage and output frequency of the UPS. As the following graphic shows, the output voltage is 220v, the output frequency is 50Hz.

5 **Load:** Display the numerical value of the active power(WATT) and apparent power(VA) of the load. For example, as the following graphics shows: the WATT of the load is 100w, VA is 100VA (when disconnect load, it is a normal phenomenon to show a small numerical value of WATT and VA).

6 **Temperature:** Display the temperature of the inverter in the UPS. As the following graphics shows: the temperature of the inverter is 37°C

7 **Input:** Display the voltage and frequency of the input. As the following graphics shows: the input voltage is 210v, input frequency is 49.8Hz.

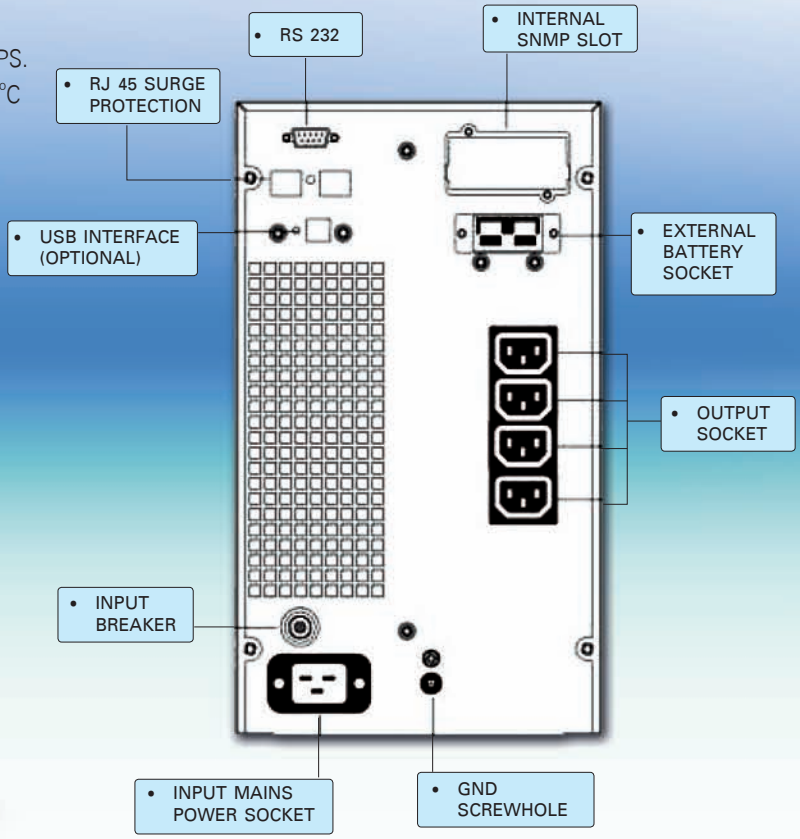
8 **Battery:** Display the voltage and capacity of the battery (determined by type). As the following graphics shows: the battery voltage is 28v, the capacity of battery is 100%(the capacity of battery is approximately reckoned according to the battery voltage).

Special Features

LCD DISPLAY : Input/Output Voltage,Input/Output Frequency,Temperature Status,Load/battery Level,Charger Status,Fan Speed Status, Load Capacity (VA/W), Battery Voltage, Overload Status, Bypass Status, ECO(Line Interactive) Status, ect.

LED DISPLAY : Warning,Bypass,Battery,Inverter

REAR PANEL VIEW



Intelligent slot optional

The following intelligent cards can be installed into the intelligent slot of the UPS: intelligent USB card, intelligent SNMP card and intelligent dry contact card. Support the hot plug and play. Any card of them can be used according to users' requirements.

- Intelligent USB card
- Intelligent SNMP card
- Intelligent dry contact card

- USB card

- SNMP card

- Dry contact card

Model			MEMO S 1KVA	MEMO H 1KVA	MEMO S 2KVA	MEMO H 2KVA	MEMO S 3KVA	MEMO H 3KVA
Capacity (VA)			1000VA/700W		2000VA/1400W		3000VA/2100W	
Input	Phase		Single phase & Ground					
	Rated Voltage		220 VAC					
	Voltage Range		115VAC - 295VAC					
	Frequency Range		45~55Hz ± 0.5Hz or 55~65Hz ± 0.5Hz auto sensing					
	Power factor		>0.99					
	Bypass Voltage		186VAC - 252VAC					
	Current Harmonic (THDi)		<3~4% (100% Non-Linear Load)					
Output	Phase		Single phase & Ground					
	Rated Voltage		200/208/220/230/240VAC Slectable					
	Power Factor		0.7					
	Voltage Precision		220VAC ± 1%					
	Output Frequency	Utility Mode	Follow utility					
		Battery Mode	50/60 Hz 0.1% (Free Running)					
	Crest Factor		3:1					
	Transfer Time		(Utility ←→ Battery) = 0 Msec					
			(Utility ←→ Bypass) < 2~4 Msec					
			(Utility ←→ ECO) < 2~4 Msec					
			(Battery ←→ ECO) < 2~4 Msec					
	Overload Capacity	Battery Mode	108% ± 5%<Load<150% ± 5% exceed 30s, cut off and Alarm, 150% ± 5%<Load<200% ± 5%exceed 300ms, cut off and Alarm					
		Utility Mode	108% ± 5%<Load<150% ± 5% exceed 30s. Transfer to bypass and Alarm, 150% ± 5%<Load<200% ± 5%exceed 300ms, Transfer to bypass and Alarm					
	Efficiency	Utility Mode	86%					
		Battery Mode	84%					
	THD		<3% (100% linear load)					
			<5% (100% non-linear load)					
Battery	Voltage		24VDC	24VDC	48VDC	48VDC	72VDC	72VDC
	Battery Configuration		2x12V/7AH		4x12V/7AH		6x12V/7AH	
	Type		12V / 7AH (Standard)					
	Backup Time		15-60 Min. (Depending on load) Long time unit depends on the capacity of external batteries					
	Charge Current (A)		1A	4A	1A	4A	1A	4A
Communication Interface			RS232 & USB Port / SNMP Card Internal (USB card, SNMP card, Dry contact card) : Option					
Operation Environment	Temperature		0°C ~ 40°C					
	Humidity		0~95%(Non condensing)					
	Storage temperature		-25°C ~ 55°C					
	Altitude		<1500m					
Other	Unit Dimensions WxDxH (mm)		144(W)x361(D)x215(H)		191((W)x428(D)x337(H)			
	Weight (Kg)		10.2/11	5.2/6	19.5/21.1	9.5/11.1	24/25.6	9.7/11.3
Industry Standard			YD/T 1095-2000					

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, CE, UL, STANDARD

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